



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Docket No: 98000003  
)  
)  
For: HEAT EXCHANGER ) Group Art Unit : 3753  
)  
)  
Serial No.: 10/661,174 ) Examiner: To be assigned  
)  
Filed: 09/11/2003 )

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Hon. Commissioner:

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and pursuant to 37 C.F.R. §1.98, Applicants hereby notify the U.S. Patent of the documents listed below and identified on the attached form PTO/SB/08 for review by the Examiner during the examination of the above referenced application. Copies of the documents are provided for the Examiner's use.

The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office Action on the merits (whichever is later), and therefore no certification under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17 (p) is required.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8  
I hereby certify that this correspondence is being deposited with the  
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Alexandria, VA 22313-1450 on Jan 9, 2004

(Date of Deposit)

by [Signature] Jan 9, 2004  
Sheri N. Wilson (Date)

| U.S. PATENT DOCUMENTS |            |                    |
|-----------------------|------------|--------------------|
| US PATENT             | DATE       | INVENTOR NAME      |
| 2912749               | 11/17/1959 | Bauernfeind et al. |
| 3017161               | 01/12/1959 | Slaasted et al.    |
| 3231017               | 12/23/1963 | Henderson          |
| 3240268               | 01/02/1962 | Armes              |
| 3703925               | 11/28/1972 | Ireland et al.     |
| 4234040               | 11/18/1980 | Argyle et al.      |
| 5369883               | 12/06/1994 | So et al.          |
| 5983992               | 11/16/1999 | Child et al.       |
| 6244333               | 06/12/2001 | Bergh et al.       |
| 6305079               | 10/23/2001 | Child et al.       |
| 20010025705A1         | 10/04/2001 | Nash et al.        |
| 20020074105A1         | 06/20/2002 | Hayashi et al.     |
| 20020148602A1         | 10/17/2002 | Nakamura           |

| FOREIGN PATENT DOCUMENTS |            |                             |
|--------------------------|------------|-----------------------------|
| FOREIGN PATENT           | DATE       | ASSIGNEE/APPLICANT          |
| JP2000240514A            | 09/05/2000 | Usui International Ind. Co. |
| JP2000121286A            | 04/28/2000 | Mitsubishi Motors Corp.     |
| JP2001342910A            | 12/14/2001 | Mitsubishi Motors Corp.     |
| JP2001355978A            | 12/28/2001 | Toyo Radiator Co. Ltd.      |
| WO 0198723               | 12/27/2001 | Serck Heat Transfer Ltd.    |
| JP10122761               | 05/15/1998 | Chiyoda Corp.               |
| EP0981035                | 02/23/2000 | Modine MFG. Co.             |
| DE10024389               | 11/30/2000 | Denso Corp.                 |

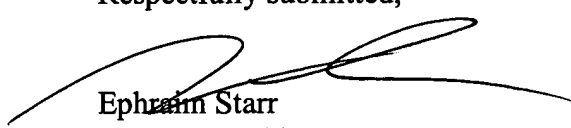
The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to

antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

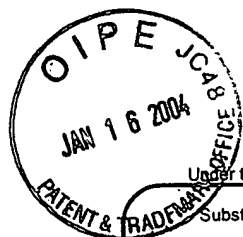
Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of the Form PTO/SB/08 be returned in accordance with MPEP §609.

Respectfully submitted,

Date: Jan. 7, 2004  
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PTO/SB/08A (08-03)

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STATEMENT BY APPLICANT**

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|                        |               |
|------------------------|---------------|
| Application Number     | 10/661,174    |
| Filing Date            | 09/11/2003    |
| First Named Inventor   | Dilley et al. |
| Art Unit               | 3753          |
| Examiner Name          | TBD           |
| Attorney Docket Number | 98000003      |

| U. S. PATENT DOCUMENTS |                       |  |                                |  |   |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                        |                       | US- 2912749                              | 11/17/1959                     | Bauernfeind et al.                                 |   |
|                        |                       | US- 3017161                              | 01/12/1959                     | Slaasted et al.                                    |   |
|                        |                       | US- 3231017                              | 12/23/1963                     | Henderson  |   |
|                        |                       | US- 3240268                              | 01/02/1962                     | Armes  |   |
|                        |                       | US- 3703925                              | 11/28/1972                     | Ireland et al.                                     |   |
|                        |                       | US- 4234040                              | 11/18/1980                     | Argyle et al.                                      |   |
|                        |                       | US- 5369883                              | 12/06/1994                     | So et al.  |   |
|                        |                       | US- 5983992                              | 11/16/1999                     | Child et al.                                       |   |
|                        |                       | US- 6244333                              | 06/12/2001                     | Bergh et al.                                       |   |
|                        |                       | US- 6305079                              | 10/23/2001                     | Child et al.                                       |   |
|                        |                       | US- 20010025705A1                        | 10/04/2001                     | Nash et al.  |   |
|                        |                       | US- 20020074105A1                        | 06/20/2002                     | Hayashi et al.                                     |   |
|                        |                       | US- 20020148602A1                        | 10/17/2002                     | Nakamura   |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
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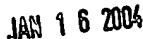
| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |                |
|--------------------------|-----------------------|---|--------------------------------|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|                          |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                          |                       | JP 2000240514A  | 09/05/2000                     | Usui Intern.                                       |   |                |
|                          |                       | JP 2000121286A  | 04/28/2000                     | Mitsubishi   |   |                |
|                          |                       | JP 2001342910A  | 12/14/2001                     | Mitsubishi   |   |                |
|                          |                       | JP 2001355978A  | 12/28/2001                     | Toyo Radiator                                      |   |                |
|                          |                       | WO 0198723  | 12/27/2001                     | Serck Heat Tr.                                     |   |                |
|                          |                       | JP10122761  | 05/15/1998                     | Chiyoda Corp.                                      |   |                |

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
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| Sheet | 2 | of | 2 |
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| First Named Inventor   | Dilley et al. |
| Art Unit               | 3753          |
| Examiner Name          | TBD           |
| Attorney Docket Number | 98000003      |

## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS |                       |   |                  |   |   |                |
|--------------------------|-----------------------|---|------------------|---|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T <sup>6</sup> |
|                          |                       | Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known) | MM-DD-YYYY       |   |   |                |
|                          |                       | EP 0981035  | 02/23/2000       | Modine MFG. Co.                                 |   |                |
|                          |                       | DE 10024389   | 11/30/2000       | Denso Corp.                                     |   |                |
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| Examiner<br>Signature |  | Date<br>Considered |  |
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